

L Number	Hits	Search Text	DB	Time stamp
1	29	capeci-scott-william.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/24 10:14
2	2	jagannath-girish.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/24 10:22
3	0	hidalgo-noe-onacoy.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/24 10:23
4	19	hidalgo-n\$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/24 10:27
5	21	kazuta-takashi.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/24 10:30
6	500	nakamura-yuji.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/24 10:30
7	39	(surfactant or surface adj1 active or las or alkylbenzenesulfonate or alkylbenzenesulphonate or sulfonate or sulphonate or dodecylbenzenesulfonate or dodecylbenzenesulphonate or hlas or abs or aes) near6 paste same spray adj1 dried near10 (mix\$3 or blend\$3 or admix\$4 or inject\$4 or extrud\$4 or combin\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/24 11:27
8	40	(surfactant or surface adj1 active or las or alkylbenzenesulfonate or alkylbenzenesulphonate or sulfonate or sulphonate or dodecylbenzenesulfonate or dodecylbenzenesulphonate or hlas or abs or aes) near6 paste same spray adj1 dried same (mix\$3 or blend\$3 or admix\$4 or inject\$4 or extrud\$4 or combin\$4) same (agglomerate or builder or zeolite or aid or enzyme or perfume or dye)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/24 12:55

PAT-NO: JP406128598A

DOCUMENT-IDENTIFIER: JP 06128598 A

TITLE: PRODUCTION OF HIGH-BULK-DENSITY GRANULAR
DETERGENT

PUBN-DATE: May 10, 1994

INVENTOR-INFORMATION:

NAME

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ASSIGNEE-INFORMATION:

NAME

COUNTRY

LION CORP

N/A

APPL-NO: JP04304775

APPL-DATE: October 16, 1992

INT-CL (IPC): C11D017/06, C11D011/00

US-CL-CURRENT: 510/348

ABSTRACT:

PURPOSE: To produce a detergent excellent in free-flowability and contg. a surfactant in a high concn. without requiring a cooling step, an aging step, etc., by using a hardly degradable surfactant salt as the starting material and compounding most or the whole of the surfactant into the detergent by a non-spray-drying method.

CONSTITUTION: 20-50wt.% thick surfactant paste contg. at least 60wt.% surfactant including at least one anionic surfactant, 20-45wt.% alkaline builder contg. at least either potassium carbonate or hydrogencarbonate, and spray-dried zeolite-contg. particles in an amt. of 5-30wt.% in terms of zeolite are mixed, stirred, and granulated to give the detergent.

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